

Royalite R572

Acrylonitrile Butadiene Styrene

Spartech Plastics

Message:

R572 is RoHS compliant, non PVC & PBDE containing, Flame Retardant ABS engineered to meet the flammability requirements for today's most demanding applications. R572 is UL listed in all colors, 94-V0 @ 0.063" and UL94 5VA @ 0.125". With its superior combination of physical, mechanical, and flame retardant properties R572 is an excellent choice for applications in the business equipment, electronics, and medical markets for those OEM's looking to market their products in the global market place.

General Information			
Additive	Flame retardancy		
Features	Flame retardancy		
Uses	Electrical/Electronic Applications		
	Business equipment		
	Medical/nursing supplies		
RoHS Compliance	RoHS compliance		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20 - 1.27	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	98		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.9	MPa	ASTM D638
Flexural Modulus	2210	MPa	ASTM D790
Flexural Strength	55.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	290	J/m	ASTM D256
Dart Drop Impact (23°C)	36.2	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	90.6	°C	ASTM D648
CLTE - Flow	8.3E-5 - 9.9E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm, All Colors	V-0		UL 94
3.18 mm, All Colors	5VA		UL 94

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

